

PHARMACEUTICAL INDUSTRIES, LTD.

Collectin

1281

-23

apiens

3336)

t ggc ttt gca tcc ttg ctt cga aga aac

n Gly Phe Ala Ser Leu Leu Arg Arg Asn

5 10

<120> Novel Collection

<130> 98P069

<150> JP 10-11281

<151> 1998-01-23

<160> 26

<210> 1 .

<211> 1595

<212> DNA

<213> Homo Sapiens

$\langle 220 \rangle$

<221> CDS

<222> (6).. (836)

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Met Asn Gly Phe Ala Ser Leu Leu Arg Arg Asn Gln Phe Ile

1

וְ

10

47

ctc	ctg	gta	cta	tat	ctt	tig	caa	att	cag	agt	ctg	ggt	ctg	gal	att	95
Leu	Leu	Val	Leu	Phe	Leu	Leu	Gln	Ile	Gln	Ser	Leu	Gly	Leu	Asp	Ile	
15					20				25					30		
gat	agc	cgt	cct	acc	gct	gaa	glc	tgt	gcc	aca	cac	aca	att	tca	cca	143
Asp	Ser	Arg	Pro	Thr	Ala	Glu	Val	Cys	Ala	Thr	His	Thr	Ile	Ser	Pro	
				35					40					45		
gga	ccc	aaa	gga	gat	gat	ggt	gaa	aaa	gga	gat	cca	gga	gaa	gag	gga	191
Gly	Pro	Lys	Gly	Asp	Asp	Gly	Glu	Lys	Gly	Asp	Pro	Gly	Glu	Glu	Gly	
			50				55						60			
aag	cat	ggc	aaa	gtg	gga	cgc	atg	ggg	ccg	aaa	gga	att	aaa	gga	gaa	239
Lys	His	Gly	Lys	Val	Gly	Arg	Met	Gly	Pro	Lys	Gly	Ile	Lys	Gly	Glu	
			65				70						75			
ctg	ggt	gat	atg	gga	gat	cgg	ggc	aat	att	ggc	aag	act	ggg	ccc	att	287
Leu	Gly	Asp	Met	Gly	Asp	Arg	Gly	Asn	Ile	Gly	Lys	Thr	Gly	Pro	Ile	
	80					85						90				
ggg	aag	aag	ggt	gac	aaa	ggg	gaa	aaa	ggt	tgg	ctt	gga	ata	cct	gga	335
Gly	Lys	Lys	Gly	Asp	Lys	Gly	Glu	Lys	Gly	Leu	Leu	Gly	Ile	Pro	Gly	
95					100					105				110		
gaa	aaa	ggc	aaa	gca	ggt	act	gtc	tgt	gat	tgt	gga	aga	tac	cgg	aaa	383
Glu	Lys	Gly	Lys	Ala	Gly	Thr	Val	Cys	Asp	Cys	Gly	Arg	Tyr	Arg	Lys	
				115					120					125		
ttt	gtt	gga	caa	ctg	gat	att	agt	att	gcc	cgg	ctc	aag	aca	tct	atg	431
Phe	Val	Gly	Gln	Leu	Asp	Ile	Ser	Ile	Ala	Arg	Leu	Lys	Thr	Ser	Met	
				130					135					140		

aag ttt gtc aag aat gtg ala gca ggg att agg gaa act gaa gag aaa 479

Lys Phe Val Lys Asn Val Ile Ala Gly Ile Arg Glu Thr Glu Glu Lys

145

150

155

ttc tac tac atc gtg cag gaa gag aag aac tac agg gaa tcc cta acc 527

Phe Tyr Tyr Ile Val Gln Glu Glu Lys Asn Tyr Arg Glu Ser Leu Thr

160

165

170

cac tgc agg att cgg ggt gga atg cta gcc atg ccc aag gat gaa gct 575

His Cys Arg Ile Arg Gly Gly Met Leu Ala Met Pro Lys Asp Glu Ala

175

180

185

190

gcc aac aca ctc atc gct gac tat gtt gcc aag agt ggc ttc ttt cgg 623

Ala Asn Thr Leu Ile Ala Asp Tyr Val Ala Lys Ser Gly Phe Phe Arg

195

200

205

gtg ttc att ggc gtg aat gac ctt gaa agg gag gga cag tac atg ttc 671

Val Phe Ile Gly Val Asn Asp Leu Glu Arg Glu Gly Gln Tyr Met Phe

210

215

220

aca gac aac act cca clg cag aac tat agc aac tgg aat gag ggg gaa 719

Thr Asp Asn Thr Pro Leu Gln Asn Tyr Ser Asn Trp Asn Glu Gly Glu

225

230

235

ccc agc gac ccc tat ggt cat gag gac tgt gtg gag atg clg agc tct 767

Pro Ser Asp Pro Tyr Gly His Glu Asp Cys Val Glu Met Leu Ser Ser

240

245

250

ggc aga tgg aat gac aca gag tgc cat ctt acc atg tac ttt gtc tgt 815

Gly Arg Trp Asn Asp Thr Glu Cys His Leu Thr Met Tyr Phe Val Cys

255

260

265

270

275

<210> 2

<212> PRT

<400> 2

1

5

10

15

[illegible]

Asn Thr Pro Leu Gln Asn Tyr Ser Asn Trp Asn Glu Gly Glu Pro Ser

225

230

235

240

Asp Pro Tyr Gly His Glu Asp Cys Val Glu Met Leu Ser Ser Gly Arg

245

250

255

Trp Asn Asp Thr Glu Cys His Leu Thr Met Tyr Phe Val Cys Glu Phe

260

265

270

Ile Lys Lys Lys Lys

275

&lt;210&gt; 3

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Consensus sequence of collectins which were reported  
heretofore.

&lt;400&gt; 3

Glu Lys Cys Val Glu Met Tyr Thr Asp Gly Lys Trp Asn Asp Arg Asn

5

10

15

Cys Leu Gln Ser Arg Leu Ala Ile Cys Glu Phe

20

25

&lt;210&gt; 4

&lt;211&gt; 14

00360" 35600360

<212> DNA

<213> Artificial Sequence

<220>

<223> Pre-sequence of an Insert.

<400> 4

gaattcggca cgag

14

<210> 5

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> M13 Universal Primer Sequence for Sequencing.

<400> 5

cgacgttgta aaacgacggc cagt

24

<210> 6

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<400> 6

17

<210> 7

 $\langle \bar{2}11 \rangle$  21

<212> DNA

<213> Artificial Sequence

$\langle 220 \rangle$

<223> Sequence of a Reverse Primer for Screening a Novel  
Collectin.

<100> 7

ttttgatgga ggctccatac c

21

<210> 8

<211> 21

<212> DNA

<213> Artificial Sequence

$\langle 220 \rangle$

<223> Sequence of a Forward Primer for Screening a Novel  
Collectin.



ctgccaacac acleatcgt g

<210> 9

<212> DNA

<213> Artificial Sequence

<223> Sequence of a  $\lambda$ gt11 Reverse Primer for Sequencing.

ttgacaccag accaactggt aalg

24

<211> 2.1

<212> DNA

<213> Artificial Sequence

<223> Sequence of a  $\lambda$ gt11 Forward Primer for Sequencing.

ggtaggcgacg actcctggag cccg

24

<210> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of a Synthetic Primer for Sequencing a Novel  
Collectin.

<400> 13

aatattggca agactgggca

20

<210> 14

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of a Synthetic Primer for Sequencing a Novel  
Collectin.

<400> 14

gatgagtgtg ttggcagcat

20

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence



<100> 17

20

<211> 20

<213> Artificial Sequence

<223> Sequence of a Synthetic Primer for Sequencing a Novel

<400> 18

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<211> 20

<213> Artificial Sequence

<223> Sequence of a Synthetic Primer for Sequencing a Novel

Collectin.

20

<213> Artificial Sequence

<223> Sequence of a Synthetic Primer for Sequencing a Novel  
Collectin.

20

### <213> Artificial Sequence

<223> Sequence of a Synthetic Primer for Sequencing a Novel  
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<211> 20

<212> DNA

<213> Artificial Sequence

$\langle 220 \rangle$

<223> Sequence of a Synthetic Primer for Sequencing a Novel  
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<400> 22

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<210> 23

<211> 20

<212> DNA

### <213> Artificial Sequence

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<223> Sequence of a Synthetic Primer for Sequencing a Novel  
Collectin.

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<210> 24

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of a Synthetic Primer for Sequencing a Novel  
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<400> 24

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<210> 25

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of a Synthetic Primer for Sequencing a Novel  
Collectin.

<400> 25

aactgtaatg acgctcacag

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<210> 26

<211> 20

<212> DNA



